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Seasonal accumulated degrees of frost and mean winter minimum temperature

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Taking 17 years of records at E Malling, Folkestone and Margate, plus 11 years at Bodiam. The total accumulated degrees of frost from October to March was compared with the mean minimum temperature in the three winter months December, January, February ($\bar{T}_m$)

The results were:-

East Malling and Bodiam	Correlation - 0.92	$1930 - 49.4\ \bar{T}_m$
Folkestone and Margate	Correlation - 0.88	$1183 - 30.3\ \bar{T}_m$
All four stations	Correlation - 0.92	$1960 - 51\ \bar{T}_m$

The simplest formula would seem to be

$$1930 - 50\ \bar{T}_m$$

remembering that this will be an overestimate for coastal stations in a very cold year.

Any comments or suggestions on this paper should be referred to the author.

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